

BUDANTSEV, Yu.Yu., inzh.

Standard equipment of central control points of plants and
construction projects. Stroi. i dor. mash. 8 no.11:13-16
N '63. (MIRA 17:1)

BUDANTSEV, Yuriy Yustovich; IVANOV, S., red.; NAZAROVA, A.,
tekhn. red.

[Electronic aides of a dispatcher] Elektronnye pomoshch-
niki dispetchera. Moskva, Izd-vo "Znanie," 1963. 31 p.
(Novoe v zhizni, nauke, tekhnike. IV Seriya: Tekhnika,
no.20) (MIRA 17:1)
(Industrial television) (Automation)

BUDANTSEVA, Z. I.

PA 233T55

USSR/Metallurgy - Foundry, Equipment, Jul 52
Materials

"Use of Quick-Drying SB Binder in Molds and Cores,"
Y. B. Stolper, Z. I. Budantseva, Engineers

"Litey Proizvod" No 7, pp 8, 9

Discusses improvement in quality of castings obtained at "Serp i Molot" Plant by use of new binder for molding and core mixts. Binder represents hydrophobic emulsion of sulfite liquor, for prepn of which heavy fraction of shale gas-generator tar was used as emulsifier. Core mixts made with SB binder showed tensile strength to 15 kg/sq cm and decreased drying period by 50%.

233T55

LYASS, A.M.; VALISOVSKIY, I.V.; Primali uchastiye: YAKOVLEV, V.O.;
BUDANTSEVA, Z.I.; BAGROV, A.A.; VOLKOVA, G.A.

Improving the shakeout of sand mixtures with sodium silicate
solutions. Lit. proizv. no.9:33-36 S '61. (MIRA 14:9)
(Coremaking) (Sand, Foundry)

BUDANTSOV, V.

BASKAKOV, P., (g. Gor'kiy); ABRAMIAN, S.; MURACHEV, I., predsedatel' soveta radiokluba; KOCHEGAROV, N., nachal'nik radiokluba; LATKIN, V., predsedatel' soveta radiokluba; SHISHUKOV, P., rukovoditel' konstruktorskoy sekti kluba; BARBIN, G., chlen radiokluba; BUDANTSOV, V., predsedatel' soveta radiokluba; GODUNOV, P., nachal'nik radiokluba; TEVELEV.

Provide parts for radio amateurs. Radio no.12:14-17 D '53. (MLRA 6:12)

1. Nachal'nik radiokluba Vsesoyuznogo dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu (for Baskakov). 2. Nachal'nik Vil'nyus-skogo radiokluba Vsesoyuznogo dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu (for Tevelev).

(Radio--Apparatus and supplies)

11452

S/137/62/000/012/071/085
A006/A101

1 2300

AUTHOR: Budař, František

TITLE: The welding of ball-bearing separators

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 12, 1962, 41, abstract
12E252 P (Czechoslov. Patent no. 100696 of August 15, 1961)

TEXT: The patented method of spot-welding of ball-bearing separators consists in that the two halves of the separators are reduced at the weld spot to 50 - 60% of the sheet thickness. The welding unit represents a clamp with electrodes passed through it. The welding method is illustrated. To the planes of separators 1, electrodes 3 are supplied at the reduced spots 2. The electrodes are placed in clamps 4 and insulated from the clamps by an insert 5. The clamps tighten the separator halves along the outline of the reduction. The electrodes and clamps are pressed together by the constant force of springs 6 and 7 with independent control. The clamp is equipped with a cooling system, i.e. it eliminates the heat from the welding spot and simultaneously protects the other parts against splashes. The reduction in the sheet thickness of the separator reduces the resistance and, consequently, the power required for welding.

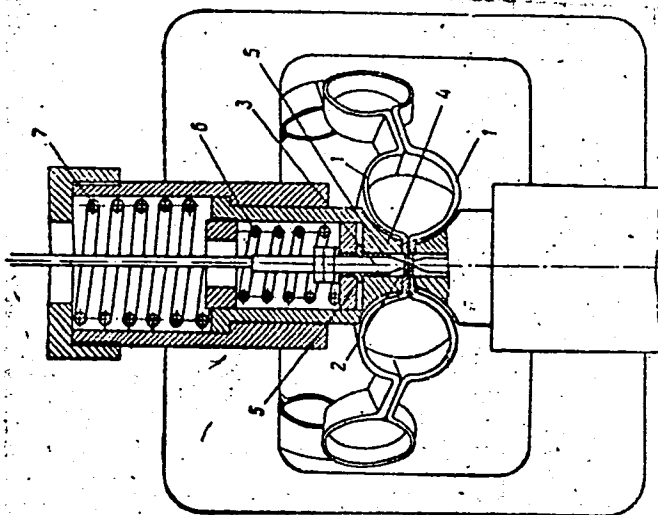
[Abstracter's note: Complete translation]
Card 1/2

V. Gordon

The welding of ball-bearing separators

S/137/62/000/012/071/085
A006/A101

Figure.



Card 2/2

BUDARAGIN, V.

Study of demand in retail trade. Sov. torg. 33 no. 9:7-10 S '60.
(MIRA 14:2)

(Marketing research)

BUDARAGIN, V.

Ways to increase the influence of trade upon industry.
Sov. torg. 35 no.10:7-11 0 '61. (MIRA 14:12)
(Russia--Commerce)
(Russia--Manufactures)

BUDARAGIN, Vladimir Vasil'yevich; DIKHTYAR, G.A., doktor ekon.
nauk, otv. red.; GUZHANOVA, T.N., red.; PONOMAREVA, A.A.,
tekhn. red

[Economic relations between trade and industry] Ekonomicheskie
svyazi torgovli s promyshlennost'iu. Moskva, Ekonomizdat,
1963. 204 p. (MIRA 16:7)
(Russia--Commerce) (Supply and demand)

BUDARAGINA, I. Ye.

GUREVICH, V.Z., inzhener; BUDARAGINA, I. Ye., inzhener.

Some deductions from shell molding practices in Canada. Lit. proizv.
no.2:30-31 P '57. (MLRA 10:4)

(Shell molding (Founding))

BUDAREV, A.; YARTSEV, N., red.; KRECHETOV, A., tekhn. red.

[Excellent products for construction sites] Otlichnye
izdeliia - stroikam. Moskva, Moskovskii rabochii, 1963.
106 p. (MIRA 17:1)

BUDAREV, V. N.

1. BUDAREV, V. N., Eng.
2. USSR (600)
4. Cranes, Derricks, Etc.
7. Experience in sectional mounting of portal cranes. Rech.transp., 12, no. 6, 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 8, 15-57-8-11519
p 205 (USSR)

AUTHOR:

Budarin, G. M.

TITLE:

Symmetrical Electrical Resistivity Contouring of an
Area of Caranculites (Okonturivaniye ploschadi
razvitiya karankulitov metodom simmetrichnogo elektro-
profilirovaniya)

PERIODICAL: Tr. Sredneaz. un-ta, 1956, Nr 82, pp 131-136

ABSTRACT:

The author described a test of the use of symmetrical electrical resistivity profiling with AMNV equipment, with AV 200 m, MN 20 m, and a spacing of 20 m, for contouring an area of Caranculites (variegated argillaceous-marly earthy shales) in the valley of the Kuberle River in choosing a location for a hydrotechnical structure. The investigations were conducted along six profiles on a sector 1.5 km long and 0.2 to 0.5 km wide. Under the layer of argillaceous soil (up to 0.5 m) lie Paleozoic limestones of Quaternary conglomerates. The

Card 1/2

Symmetrical Electrical Resistivity Contouring (Cont.) 15-57-8-11519

thickness of the latter is 25 to 30 m; the resistance is 3000 to 5000 ohms. Below the conglomerates are Paleozoic limestones of carankulites, the resistance of which is 150 to 300 ohms. The resistance of the limestones varies from 300 to 2500 ohms and more, depending on the amount of fracturing. The sectors containing carankulites are characterized by their low apparent resistances (up to 200 to 300 ohms). The area of carankulite development was contoured with an accuracy of ± 15 to 20 m.

Card 2/2

I. P. Nesterenko

BUDARIN, I.I.

Hydraulic engineering projects in the R.S.F.S.R. in the sixth
five-year plan. Gidr.1 mel.8 no.4:11-21 Ap '56. (MLRA 9:8)

1. Zamestitel' ministra vodnogo khozyaystva RSFSR.
(Irrigation canals and flumes) (Reservoirs)

BUDARIN, I.I.

In the people's China. Gidr.i mel. 9 no.4:49-59 Ap '57.
(MLRA 10:5)

1. Zamestitel' ministra vodnogo khozyastva RSFSR.
(China--Irrigation)

SOV/99-58-12-7/7

AUTHORS: Askochenskiy, A.N., Academician, Budarin, I.I., Engineer

TITLE: Some Particularities of the USA Water Economy (Nekotoryye osobennosti vodnogo khozyaystva SShA)

PERIODICAL: Gidrotekhnika i melioratsiya, 1958, Nr 12, pp 42-61 (USSR)

ABSTRACT: The authors give a detailed description of a visit by a group of Soviet specialists in hydraulic engineering and melioration to the USA. The Soviet delegation included A.N. Askochenskiy, head of the group, N.A. Aliyev, S.B. Babayev, I.I. Budarin and S.M. Perekhrest. There are 17 photos and 1 map.

Card 1/1

14(2)

SOV/99-59-5-8/9

AUTHOR: Budarin, I.I., Engineer

TITLE: The American Technique of Leveling Irrigated Lands

PERIODICAL: Gidrotekhnika i melioratsiya, 1959, Nr 5, pp 60-62
(USSR)

ABSTRACT: The article is concerned with scrapers as well as
planing and leveling units made by Johnson & Hancock,
Texas, U.S.A. There are 2 photos, 1 set of diagrams,
and 2 tables.

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SOV/99-59-7-2/9

30(1)

AUTHOR:

Budarin, I. I., Engineer

TITLE:

Irrigation Furrow and Ditches Layout

PERIODICAL:

Gidrotekhnika i Melioratsiya, 1959, Nr 7, pp 10-16 (USSR)

ABSTRACT:

In August-September 1958 the author visited the USA and investigated the methods of irrigation in this country. In this connection, he devoted his special attention to surface irrigation by means of watering ditches. In the Soviet Union there are two systems of temporary irrigation layouts - the longitudinal and the transverse. Both of them are used depending on the dip of the site to be irrigated. The longitudinal system is applied where the dip of the site is under 0.002, the other system - for the sites having a slope of more than 0.01. With site dips between 0.002 and 0.01 both systems are used. In practice, the longitudinal system is preferred; however, the transverse system is sometimes unjustly neglected, as, on many occasions it enables an increase in efficiency of the labor forces engaged in watering the fields. The transverse system comprises no outlet

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SOV/99-59-7-2/9

Irrigation Furrow and Ditches Layout

ditches. The water from temporary irrigators enters into furrows either directly or through an auxiliary ditch, which facilitates the work of laborers. As is well known, the efficiency of a watering laborer in the USSR amounts to only 0.5-1.5 hectares a day; put another way, it is rather low. An American farmer is, however, able to water 4-8 hectares a day. What are the reasons for such a difference in efficiency? The answer is: in America the transversal system of irrigation ditches layout is chiefly used without temporary irrigators. The longitudinal system has many essential faults: 1) The existence of outlet ditches (10 and more for each irrigator) hinders the free passage for agricultural machines; 2) Much time is wasted by laborers in going from one ditch to another in order to regulate the water output; 3) At the sites with sharp dips the passage of water through the temporary irrigators is limited for fear of underwashing the slope; 4) There is a possibility of soil over-watering; 5) The improper watering of the tilled acreage results in lowering of

Card 2/3

Irrigation Furrow and Ditches Layout

SOV/99-59-7-2/9

harvest yield. On the other hand, the transversal layout possesses a number of important advantages, as compared with the longitudinal system, namely: 1) The irrigated piece of land with an area of 250 x 1,000 - 500 x 1,000 m has no temporary irrigation net that hinders the free passage of agricultural machines; 2) The sown area is increased by 2.5% owing to elimination of outlet ditches; 3) The possibility of improving the cultivation of potatoes and vegetables with an increase in their yield is created; 4) The irrigator that delivers water into the irrigation ditches becomes a permanent irrigator which lets more water pass through it without danger of ground underwashing; 5) The efficiency of laborers is increased 4-5 times, the exploitation expenses are cut down and the production cost of agricultural products is diminished. There are 2 graphs, 2 tables, 1 diagram and 1 photograph.

ASSOCIATION: Glavvodkhoz, MSKh RSFSR (Chief Administration of the
Card 3/3 Water Economy of the Ministry of Agriculture RSFSR)

BUDARIN, Pavel Ivanovich, prof.; MULTYKH, Yevgeniy Vasil'yevich,
zasl. vrach RSFSR; LOTYSHEV, I.P., red.

[Regimen for the patient in cardiovascular diseases] Re-
zhim bol'nogo pri serdechno-sosudistyykh zabolevaniyakh.
Krasnodar, Krasnodarskoe knizhnoe izd-vo, 1965. 19 p.
(MIRA 18:7)

BUDARIN, I.T., inzh.

Effect of aluminum on the quality of castings of malleable cast
iron modified with bismuth and boron. Trudy Frunz. politekh. inst.
no. 6:163-166 '62. (MIRA 17:9)

BUDARIN, I.T.

Mechanical properties of cupola furnace malleable cast iron modified
by bismuth and boron. Lit. proizv. no. 6:41-43 Je #61.
(MIRA 14:6)

(Cast iron—Testing)

TIMOKHINA, N.I.; BUDARIN, L.I.

Study of the induction period in the crystallization of super-saturated solutions of slightly soluble salts. Trudy SAGU no.134:
43-50 '58. (MIRA 12:4)
(Crystallization) (Solutions, Supersaturated)

86236

5.5300

2209, 1273, 1282

S/032/60/026/008/038/046/XX
B020/B052

AUTHORS: Budarin, L. I. and Prik, K. Ye.

TITLE: Device for Studying the Reaction Kinetics by an Optical Method

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 8,
pp. 1018 - 1020

TEXT: The methods of kinetic analysis allow the determination of extremely low amounts of substances, and the study of the kinetics of various processes, mainly the formation and decomposition of complex compounds. Most of these studies were made by applying an optical method, such as the "method of tangents" (Ref.3). The experiments were carried out by photometers or photoelectric colorimeters (Refs. 4-6). By measuring in the thermostat and by automatic plotting of the change in light absorption of the solution, the accuracy can be considerably increased, the time of experiment and evaluation of the results can be reduced, and the details of the kinetics of the given process, which cannot be observed by visual work, can be determined. For this purpose

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Device for Studying the Reaction Kinetics
by an Optical Method

S/032/60/026/008/038/046/XX
B020/B052

an apparatus was designed whose block diagram is shown in Fig.1. A common photoelectric colorimeter with two separate light beams served as optical part of the device. The photocells arranged according to the differential scheme, are connected with a potential divider through which part of the voltage generated by unbalancing is conducted to the input of the amplifier type УЗ-109 (UE-109) or УЗМ-109 (UEM-109) which are used in the potentiometers type ЭПН (EPP) and ПС (PS). The reverse motor type РД-09 (RD-09) served for the equilibrium adjustment. The device served for the automatic maintenance of the conditions during optical compensation, and at the same time for plotting the changes in the light absorption of the solutions with time. The scheme of the measuring diaphragm is shown in Fig.2. The temperature of the solutions which first were heated to 25°C in the thermostat is kept constant with an accuracy of $\pm 0.05^{\circ}\text{C}$. Using the above device, the authors determined the tungsten content of some samples by the method described by K. B. Yatsimirskiy and V. I. Rigin (Ref.6). The curves 1-5 (Fig.3) served for plotting the calibration curve in the coordinates $\tan \alpha - C$, while curves 6-8 represent the analysis results of three different solutions. The mean square error of the method is $\pm 3\%$. The device is

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Device for Studying the Reaction Kinetics
by an Optical Method

S/032/60/026/008/038/046/XX
B020/B052

simple and its application offers good prospects. The time required for the determination could be reduced by 25-50%. Finally, the application of the thermostat allows kinetic measurements to be made within a fairly wide range of temperatures. There are 3 figures and 6 Soviet references.

ASSOCIATION: Ivanovskiy khimiko-tekhnologicheskii institut (Ivanovo
Institute of Chemical Technology)

Card 3/3

YATSIMIRSKIY, K.B.; BUDARIN, L.I.

Method based on the use of catalytic polarographic currents in the study of the complexing of molybdenum with various acids.
Zhur.neorg.khim. 6 no.8:1850-1855 Ag '61. (MIRA 14:8)
(Molybdenum compounds) (Acids, Organic)

YATSIMIRSKIY, K.; BUDARIN, L. I.

Determination of equilibrium constants in systems with complex formation on the basis of the study of catalytic polarographic currents. Coll Cz chem 26 no.1:215-223 Ja '61. (EEAI 10:9)

1. Ivanovskiy khimiko-tehnologicheskii institut, Ivanovo, SSSR.

(Chemical equilibrium) (Polarograph and polarography)
(Systems(Chemistry))

YATSIMIRSKIY, K.B.; BUDARIN, L.I.

New method of calculating instability constants in step-by-step
complex formation. Zhur.neorg.khim. 7 no.5:1090-1094 My '62.
(MIRA 15:7)

(Complex compounds)

YATSEMIRSKIY, K.B.; BUDARIN, L.I.

Kinetic method of determining small amounts of chromium. Izv.-
vys.ucheb.zav.;khim.i khim.tekh. 5 no.2:220-224 '62.

(MIRA 15:8)

1. Ivanovskiy khimiko-tekhnologicheskoy institut, kafedra
analiticheskoy khimii.

(Chromium--Analysis)

BUDARIN, L. I., YATSEVIRSKIY, K. B.

"Determination of Equilibrium Constants in Systems Involving Complex Formation, on the Basis of Study of Catalytic Polarographic Currents"

submitted at the Conference on Kinetic Methods of Analysis, Ivanovo,
14-16 June 1960

So: Izvestiya Vysshikh Uchebnykh Zavedeniy SSSR, Khimiya i Khimicheskaya
Technologiya, Vol III, No 6 Ivanovo, 1960, pages 1113-1116.

BUDARIN, L. I., PRIK, K. Ye.

"New Types of instruments for kinetic methods of analysis"

submitted at the Conference on Kinetic Methods of Analysis, Ivanovo,
14-16 June 1960

So: Izvestiya Vysshikh Uchebnykh Zavedeniy SSSR, Khimiya i Khimicheskaya
Technologiya, Vol III, No 6 Ivanovo, 1960, pages 1113-1116.

YATSIMIRSKIY, K.B.; BUDARIN, L.I.

Complex formation of tungsten (VI) with certain acids
studied with the aid of catalytic polarographic currents.
Zhur. neorg. khim. 7 no.8:1824-1830 Ag '62. (MIRA 16:6)

(Tungsten compounds) (Catalysis)

YATSIMIRSKIY, K.B.; BUDARIN, L.I.; BLAGOVESHCHENSKAYA, N.A.;
SMIRNOVA, R.V.; FEDOROVA, A.P.; YATSIMIRSKIY, V.K.

Determination of microquantities of iodide by its catalytic
action on thiocyanate oxidation reactions. Zhur. anal. khim.
18 no.1:103-108 Ja '63. (MIRA 16:4)

1. Ivanovo Chemico-Technological Institute.
(Iodides) (Thiocyanates) (Oxidation)

L 32914-65 EWG(j)/EAT(m)/EPT(c)/EPP(n)-2/EPR/EMP(j)/T/EMP(t)/EMP(b) Pc-4/
Pr-4/Ps-4/Pu-4 IJP(c) JD/JU/JAJ/RM

ACCESSION NR: AP5001752

S/0153/64/007/005/0715/0719 42

AUTHOR: Budarin, L. I.; Rumyantseva, T. A.; Sherina, T. T.

TITLE: Investigation of complex formation of Ta(V) with oxalic acid and hydrogen peroxide using the catalytic polarographic current

SOURCE: ²⁷IVUZ. Khimiya i khimicheskaya tekhnologiya, v. 7, no. 5, 1964, 715-719

TOPIC TAGS: tantalum oxalate peroxide complex, catalytic polarographic current, pertantallic acid, instability constant, equilibrium constant, tantalum complex ²⁷

ABSTRACT: The reaction between Ta(V) and oxalic acid and hydrogen peroxide to form a mixed complex was studied using the catalytic polarographic current of hydrogen peroxide formed in acidified oxalate solutions of hydrogen peroxide in the presence of potassium tantalate. The catalytic current of Ta(V) increased uniformly at first and then tapered off to a limiting value as oxalic acid concentration was changed (hydrogen peroxide and potassium tantalate concentrations kept constant). The peracid HTaO₄ was formed from the potassium tantalate and hy-

Card 1/2

L 3291h-65

ACCESSION NR: AP5001752

drogen peroxide, and then complexed with oxalic acid to form the mixed complex, which was reduced on the dropping mercury electrode:



The equilibrium constant of the complex compound depended on the H_2O_2 concentration. This was explained due to the dissociation of HTaO_4 :



The instability constant of HTaO_4 was 1.0×10^{-2} . The corrected equilibrium constant for the first equation was 6×10^{-3} . Orig. art. has: 5 figures and 7 equations.

ASSOCIATION: Kafedra analiticheskoy khimii, Ivanovskiy khimiko-tehnologicheskii institut (Department of Analytical Chemistry, Ivanov Chemical-Technological Institute)

SUBMITTED: 08Jul63

ENCL: 00

SUB CODE: GC

NR REF SOV: 002

OTHER: 002

Card 2/2

ACCESSION NR: AP4033644

S/0075/64/019/004/0470/0474

AUTHOR: Budarin, L. I.; Romyantseva, T. I.; Sherina, G. G.

TITLE: Microdetermination of tantalum using catalytic polarographic currents of hydrogen peroxide.

SOURCE: Zhurnal analiticheskoy khimii, v. 19, no. 4, 1964, 470-474

TOPIC TAGS: tantalum analysis, polarography, catalytic current, hydrogen peroxide, polarographic current

ABSTRACT: The purpose of this work was to study the catalytic waves of tantalum (V), which occur in oxalic acid solutions of hydrogen peroxide, and to develop a polarographic method for the determination of microamounts of tantalum (V) from the measurements of these currents. In this work use was made of polarograph PA-1, with a mirror galvanometer and sensitivity of $1.8 \cdot 10^{-9}$ a/mm/m. The capillary characteristics were as follows $m = 3.32$ mg/sec, $\tau = 3$ sec, $h = 40$ cm. Oxygen was not removed from solutions, but solutions were thermostated at 25 ± 0.1 C. To investigate fully the nature of the wave at 0.3 V vs S.C.E. an investigation was made of polarographic currents as a function of the height of the mercury column and the

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ACCESSION NR: AP4033644

temperature. The limiting current was found to be essentially independent of the height of the mercury column, but it had a large temperature coefficient. This indicates the catalytic nature of this current. Following the investigations of the magnitude of catalytic currents as a function of the concentration of oxalic acid, hydrogen peroxide and acidity it was found that the following conditions are optimum for the determination of tantalum (V): $\text{CH}_2\text{O}_2 = 2.0 \times 10^{-3} \text{ M}$; $\text{CH}_2\text{SO}_4 = 0.032 \text{ M}$ and $\text{CH}_2\text{C}_2\text{O}_4 = 0.05 \text{ M}$. Under these conditions one finds a linear relationship between the concentration of tantalum (V) and the magnitude of the catalytic currents. It was found that 100 fold concentrations Mn (III), Zn (II), Cr (III), Pb (II), Cu(II), Hg (II) and Al (III) and equivalent amounts of Ni (II), Co (II), Ti (IV) do not interfere with the determination of Ta (V). "In conclusion the authors express their gratitude to K. B. Yatsimirskiy for his interest and valuable suggestions in discussion of this work." Orig. art. has: 4 tables and 7 figures.

ASSOCIATION: Ivanovskiy khimiko-tekhnologicheskii institut (Ivanovsk Institute of Chemical Technology) /

SUBMITTED: 09May63

ENCL: 00

Card

2/3

ACCESSION NR: AP403364

SUB CODE: MM, GC

NO REF BOV: 003

OTHER: 004

Card

3/3

Budarin, M.M.

BUDARIN, M.M., inzhener

"The use of electricity in agriculture." P.N.Listov. Reviewed by
M.M.Budarin. Svetotekhnika 1 no.5:30-31 0'55. (MLRA 8:12)
(Electricity in agriculture) (Listov, P.N.)

BUDARIN, M. M.

628,971
3976. Artificial illumination of agricultural field
with M. M. BUDARIN. *Svetotekhnika*, No. 3, 11-16
(1955) in Russian.

U.S.S.R.

For night work in the fields the usual tractor lights
give uneven illumination and dazzle the operators of
towed machines. A table of levels of illumination
necessary for different kinds of field work is based on
practical observations. Suitable lighting fittings are
described. For sowing, the lamps should be, of
21 candle power (20 W, 6 V). W. R. STOKER

EE

Kiyevskiy institut gigiyeny truda i profzabolevaniy.

BUDARIN, M.M., inzhener.

Brief survey of literature on threshing floor-lighting. Svetotekhnika
2 no.4:32 J1 '56. (MLBA 9:10)
(Electric lighting) (Farm buildings)

BUDARIN, M.Ya.

Research library in Omsk. Izv. Omsk. otb. Geog.ob-va no.2:146-147
'57. (HIRA 12:7)

(Omsk--Libraries)

BUDARTI, S.

29203. Opredele glavnnykh elementov sudov dlya malykh rek. Proektirovaniye i postroyka melkikh sudov, No. 1, 1949 S. 20-26.

SO: Letopis' Zhurnal' nykh Statey, Vol. 39, Moskva, 1949

BUDARIN, S. P.

SOV-3-58-9-34/36

AUTHOR: Kovalevskiy, N.I., Docent, Candidate of Technical Sciences

TITLE: Bibliography (Bibliografiya). To the Correspondence Student - Training Literature of High Quality (Zaochnikam - dobrokachestvennuyu uchebnuyu literaturu)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 9, pp 90-92 (USSR)

ABSTRACT: The article is a review of a course of lectures on the "Resistance of Materials" composed by Docent S.P. Budarin, and published by the Vsesoyuznyy zaochnyy lesotekhnicheskii institut (All-Union Forest-Engineering Correspondence Institute). There is 1 Soviet reference.

Card 1/1

BUDARIN, Sergey Petrovich, dots., kand. tekhn.nauk; AKIMOV-PERETS,
D.D., kand. tekhn. nauk, dots., retsenzent; IZRAYELIT,
A.B., assistant, retsenzent; KUZNETSOVA, L.Ya., red.;
URITSKAYA, A.D., tekhn. red.

[Stress condition theory; lecture in the "Strength of
Materials" course for students of all departments] Teoriia
napriazhennogo sostoiianiia; lektsiia po kursu "Soprotivle-
nie materialov" dlia studentov vsekh fakul'tetov. Leningrad,
Vses. zaochnyi lesotekhn. in-t, 1961. 50 p. (MIRA 15:11)
(Strains and stresses)

~~BUDARIN, V.A.~~; PANTELEYEV, N.A.; KOZLOV, G.A., otvetstvennyy redaktor;
ZHDANOVA, Z.A., zamestitel' otvetstvennogo redaktora; RACHKO, V.,
redaktor; LUR'YE, A., tekhnicheskiiy redaktor

[Album of visual aids for studying political economy; "capitalism"
section] Al'bom nagliadnykh posobii po politicheskoi ekonomii;
razdel "Kapitalizm." [Leningrad] Gos.izd-vo polit.lit-ry. Pt.2.
1956. 38 plates. (MIRA 10:10)

1. Kommunisticheskaya Partiya Sovetskogo Soyusa. Vysshaya
partiynaya skola.
(Economic conditions)

BELYAYEVA, Z.; BUDARIN, V.; VASHENTSEVA, Ye.; KOPTEV, M.; KOROLEV, S.;
MESECHERYAKOV, V.; SEMIN, S.; KONAKOV, D., otv.red.; ROCHKO, V.,
red.; SOSKIN, A., red.

[Political economy: a manual of visual aids] Politicheskaya
ekonomiya; nagladnoe posobie. Otvetstvennyi red. D.Konakov.
Moskva, Gos.izd-vo polit.lit-ry, 1959. 159 p. (MIRA 13:3)
(Economic history) (Audio-visual aids)

BUDARIN, V.S., starshiy inzhener-leytenant

Calculation of operations in a maintenance unit. Vest.Vozd.Fl.
no.6:79-80 Je '61. (MIRA 14:8)

(Airplanes, Military—Maintenance and repair)

UMANSKIY, A.A., prof., doktor tekhn.nauk, red.; MAR'IN, V.A., dotsent,
kand.tekhn.nauk, nauchnyy red.; BUDARINA, E.M., red.; GILSON, P.G., tekhn.red.

[Design of three-dimensional structures; collected articles]
Raschet prostranstvennykh konstruktov; sbornik statei. Moskva,
Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam.
No.5. 1959. 555 p. (MIRA 13:1)
(Structures, Theory of)

BOLOTIN, Vladimir Vasil'yevich, doktor tekhn. nauk, prof.; SNITKO, I.K.,
doktor tekhn. nauk, prof., nauchnyy red.; BUDARINA, E.M., red.;
GOL'BERG, T.M., tekhn. red.

[Statistical methods in structural mechanics] Statisticheskie
metody v stroitel'noi mekhanike. Moskva, Gos. izd-vo lit-ry
po stroit., arkhitekt. i stroit. materialam, 1961. 201 p.
(MIRA 14:6)

(Statistical mechanics) (Structures, Theory of)

BUDARINA, M. N. Cand Agr Sci -- (diss) "The ~~Efficient~~ Influence
of Green Fodder, ~~Cow~~ Breed, and Season of the Year ^{up} on the ~~Milk~~
~~and~~ Biological Properties of ^{Cow's} Milk. ~~of Cows.~~" Mos, 1957. 15 pp
20 cm. (Mos Order of Lenin Agricultural Academy im K. A. Timiryazev),
110 copies (KL, ~~26x58~~ 26-57, 110)

- 84 -

BUDARINA, M.N.

BUDARINA, M.N., aspirant.

~~From the collection of the USSR~~

Effect of various crops of the green fodder plan on biological
properties of milk. Izv.TSKhA no.2:207-211 '57. (MIRA 10:9)
(Milk--Composition) (Forage plants)

USSR / Farm Animals. Cattle.

Q

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7297

Author : Budarina, M. N.

Inst : Moscow Academy of Agriculture imeni K. A. Timiryazev

Title : The Effect of Racial and Individual Properties of Animals upon the Biological Composition of Milk

Orig Pub : Dokl. Mosk. s.-kh. akad. im. K. A. Timiryazova, vyp. 30, ch. 2, 222-227

Abstract : The milk of cows belonging to 5 breeds (Yaroslavskaya, Kholmogorskaya, Simmenthal, Black-spotted and Red-steppe) was treated by being pasteurized and sterilized and then soured by a culture (Str. diacotilactis strain 13) and kept in a thermostat for 8 hours. It was estab-

Card 1/2

USSR / General and Specialized Zoology - Insects.

P

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 20932

Author : Budarina, N. A.; Kisliy, O. V.

Inst : Not given

Title : A New Method of Controlling Barn Pests

Orig Pub : Kolgospnik Ukraini, 1958, No 6, 20

Abstract : No abstract given

Card 1/1

VILENSKIY, Yu.B.; VERETENOVA, T.N.; BUDARINA, N.N.; PATRIKEYEVA, L.F.

Hardening of photographic materials. Zhur.nauch.i prikl.fot. i kin.
5 no.6:401-402 N-D '60. (MIRA 14:1)

1. Filial Nauchno-issledovatel'skogo kinofoto instituta, Shostka.
(Photographic emulsions)

S/058/63/000/003/047/104
A062/A101

AUTHORS: Vilenskiy, Yu. B., Iordanskiy, A. N., Budarina, N. N.
TITLE: Some problems in the improvement of color reproduction and sharpness
in color positive films

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1963, 87, abstract 3D588
("Uspekhi nauchn. fotogr.", 1962, v. 8, 13 - 20)

TEXT: Some problems in the improvement of color reproduction and image sharpness are considered, related to the properties of color positive materials. For improving the color separation it is proposed to use AgCl emulsions and more selective dyes, and for increasing the sharpness - to displace the components with respect to the sensitizers in the emulsion layers. A series of motion-picture materials, both from this country and from abroad, which meet these requirements are described.

D. Balabukha

[Abstracter's note: Complete translation]

Card 1/1

VILENSKIY, Yu.B.; IORDANSKIY, A.N.; BUDARINA, N.N.

Some problems of the improvement of color reproduction and
sharpness of positive color films. Usp. nauch. fot. 8:13-20
'62. (MIRA 17:7)

Color photography. Yu. B. Vlasov, M. A. Al'terovitch,
P. Shumitskiy, N. Baderina, S. I. Tol'matova, and
I. Grinova. U.S.S.R. 100,545, Aug. 25, 1957. For de-
veloping color pictures, phenylalkyl phosphorus acids or
their salts are used. The use of these nondiffusing sub-
stances between the layers of the film or inside the layers
prevents the diffusion of color from layer to layer.
Mistr: 4B2d M. Hoeth

ACCESSION NR: AT4012404

S/2648/63/000/015/0076/0087

AUTHOR: Budarina, S. A.

TITLE: The accuracy of radio wind observations at stations in the Uzbek SSR

SOURCE: Tashkent. Sredneaziatskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut. Trudy*, no. 15, 1963, 76-87

TOPIC TAGS: meteorology, wind velocity measurement, wind direction, radio pilot, radio theodolite, optical theodolite, Malakhit radio theodolite

ABSTRACT: Since radio pilot observations are at present essential in obtaining wind data, it was deemed of interest to compare radio theodolite data with those obtained with an optical theodolite. The sites of the work were the three aerological stations: Aral'skoye More (Aral Sea), Tamydy* and Tashkent. Radio balloons and radio pilots were observed simultaneously with the Malakhit (Malachite) radio theodolite and ShT and ATK optical theodolites, the readings numbering 4019 in Aral'skoye More, 4948 in Tamydy* and 2894 in Tashkent. The total vertical angle error of the Malakhit radio theodolite was small and had a similar sign at all the three stations. The mean absolute error discrepancy was appreciable in Tashkent readings only, which may be accounted for by a number of random errors due to secondary reflection on the Malakhit site. The total horizontal angle error at Aral'skoye

Card 1/2

ACCESSION NR: AT4012404

More and Tamdy* showed constancy in value and sign (-2.5° and -3.5° , resp.) while the latter shifted from negative to positive after the 20th minute in Tashkent due to the low maneuverability of the Malakhit radio theodolite and variable trends of the balloon movement during the observation. The accuracy of wind data furnished by a radio theodolite is impaired by nearby obstacles. The most stable angle readings and least wind direction- and velocity errors were achieved on sites with the least obscured horizon. Orig. art. has: 8 formulas and 10 tables.

ASSOCIATION: Sredneaziatskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut, Tashkent (Central Asian Scientific Research Institute of Hydrometeorology)

SUBMITTED: AS

DATE ACQ: 20Feb64

ENCL: 00

SUB CODE: AS

NO REF SOV: 003

OTHER: 000

BUDARINA, S.A.

Using a combination slide rule and nomogram in rapid processing
of material from the A-22 radiosonde. Sbor.rab. TGO no.1:141-
148 '61. (MIRA 15:10)

(Radiosondes) (Slide rule)

CHERKASSKIY, Ye.S.; KOVTUNENKO, V.F.; BUDARINA, T.D.; Prinimali uchastiye:
MEIUA, N.K.; DOBROCHINSKAYA, I.B.; AZIASHVILI, L.A.

Improved methodology of chromatographic determination of γ -hexa-
chlorocyclohexane in activated creolin and oil. Biul. Glav. bot.
sada no.54:94-101 '64. (MIRA 17:11)

1. Glavnyy botanicheskiy sad AN SSSR.

SMULEVICH, Boleslav Yakovlevich, doktor med. nauk, kand. ekon. nauk;
BUDARINA, V., red.; LAPIDUS, L., mlad. red.

[National health and sociology] Narodnoe zdorov'e i
sotsiologiya. Moskva, Mysl', 1965. 230 p. (MIRA 18:5)

LOGINOV, I.V., otv.red.; BUDARINA, V., red.; CHEPELEVA, O., tekhn.red.

[Political economy curriculum for evening universities of Marxism-Leninism attached to the city committees of the party, schools of economics, clubs and seminars, the party education network, and also for the independent study of political economy] Programma po politicheskoi ekonomii dlia vechernikh universitetov marksizma-leninisma pri gorkomakh partii, ekonomicheskikh shkol, krushkov i seminarov seti partiinogo prosveshchenia, a takzhe dlia samostoiatel'no izuchaiushchikh politicheskuiu ekonomiu. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1960. 63 p.

(MIRA 14:1)

1. Kommunisticheskaya partiya Sovetskogo Soyusa. Vysshaya partiynaya shkola.

(Economics--Study and teaching)

KUZNETSOV, Aleksandr Dmitriyevich; BUDARINA, V., red.; MOSKVINA, R.,
tekhn.red.

[Labor supply of the U.S.S.R. and its utilization; on the
problem of the economic capacity of the country] Trudovye
resuray SSSR i ikh ispol'zovanie; k voprosu ob ekonomicheskoi
moshchi strany. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1960.
175 p. (MIRA 13:5)

(Manpower)

VOVKOV, Feliks Mikhaylovich, prepodavatel'; BUDARINA, V., red.; GRIGOR'YEVA, I.,
mladshiy red.; CHEPELEVA, O., tekh. red.

[Expanded replacement of skilled labor in the U.S.S.R.] Rasshirenniye
vosproisvodstvo kvalifitsirovannoi rabochei sily v SSSR. Izd-vo
sotsial'no-ekon. lit-ry, 1960. 205 p. (MIRA 14:6)

1. Moskovskiy gosudarstvennyy universitet (for Volkov)
(Labor supply)

LITVYAKOV, Pavel Petrovich; TYAPKIN, Nikolay Kapitonovich; BUDARINA, V.,
red.; DUDNICHENKO, E., mladshiy red.; NOGINA, N., tekhn. red.

[Communal labor and its productivity] Obshchestvennyi trud i ego
proizvoditel'nost'. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1961.
149 p. (MIRA 14:8)
(Labor and laboring classes) (Labor productivity)

FLYSHEVSKIY, Boris Pavlovich; BUDARINA, V., red.; KOROLEVA, A., mladshiy
red.; MOSKVINA, R., tekhn.red.

[Distribution of national income in the U.S.S.R.] Raspredelenie
natsional'nogo dokhoda v SSSR. Moskva, Izd-vo sotsial'no-ekon.
lit-ry, 1960. 245 p. (MIRA 13:9)
(Income)

KOMISSAROV, Vasilii Pavlovich; POPOV, Andrey Nikolayevich; SITNIN, V.K.,
red.; BUDARINA, V., red.; KOROLEVA, A., mladshiy red.;
CHERPELEVA, O., tekhn.red.

[Money, credit and finances of the European people's democracies]
Den'gi, kredit i finansy evropeiskikh stran narodnoi demokratii.
Pod red. B.K.Sitnina. Moskva, Izd-vo sotsial'no-ekon.lit-ry,
1960. 237 p. (MIRA 14:1)
(Europe, Eastern--Finance)

CHIKOSH-NAD', Bela [Csikos-Nagy, Béla]; VOLKOV, N.V. [translator];
PORFIR'YEV, P.G. [translator]; BUDARINA, V., red.; KOROLEVA, A.,
mladshiy red.; MOSKVINA, R., tekhn.red.

[Problems of price determination and price policy] Problemy
tsentroobrazovaniia i politika tsen. Vstup.stat'ia D.D.
Kondrasheva. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1960.
476 p. Translated from the Hungarian.

(MIRA 14:1)

(Prices)

KLIMOV, Niko^lay Andreyevich; BUDARINA, V., red.; DUDNICHENKO, E., mlad-
shiy red.; MOSKVINA, E., tekhn. red.

[The workday in a society building communism] Rabochii den' v ob-
shchestve, stroiashe^m kommunizm. Moskva, Izd-vo sotsial'no-ekon.
lit-ry, 1961. 142 p. (MIRA 14:6)

(Hours of labor)

ORLOVSKIY, Il'ya Aleksandrovich; SERGEYEVA, Galina Petrovna; BUDARINA, V.,
red.; DUDNICHENKO, E., ml. red.; NOGINA, N., tekhn. red.

[Correlation between labor productivity and wages in the U.S.S.R.
industry] Sootnoshenie rosta proizvoditel'nosti truda i zarabotnoi
platy v promyshlennosti SSSR. Moskva, Izd-vo sotsial'no-ekon. lit-ry,
1961. 142 p. (MIRA 14:9)

(Wages and labor productivity)

KAPUSTIN, Ye.I., kand. ekonom. nauk; ORLOVSKIY, I.A.; SHKURKO, S.I.;
BUDARINA, V., red.; KIRSANOVA, I., mladshiy red.; CHEPELEVA, O.,
tekhn. red.

[Wages and their improvement in U.S.S.R. industry] Zarabotnaya
plata v promyshlennosti SSSR i ee sovershenstvovanie. Pod red.
E.I.Kapustina. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1961. 201 p.
(MIRA 15:3)

1. Moscow. Nauchno-issledovatel'skiy institut truda.
(Wage payment systems)

SMIRNOV, A.D., kand. ekon. nauk, dots., otv. red.; BORISOV, Ye.F.,
kand. ekon. nauk, otv. red.; BUDARINA, V., red.; NOGINA, N.,
tekhn. red.

[Program for a course on economics for institutions of higher
learning (90 hours)]Programma kursa politicheskoi ekonomii dlia
vysshikh uchebnykh zavedenii (90 chasov). Moskva, Sotsekgiz,
1962. 29 p. (MIRA 15:12)

1. Russia (1923- U.S.S.R.)Upravleniye prepodavaniya obshchest-
vennykh nauk.

(Economics)

EKHIN, P.E.; SLUTSKIY, G.V.; KOLMAKOV, S.A.; YAKOVENKO, M.S.;
SHKURKO, S.I.; BUDARINA, V., red.; BESSUDNOVA, N., mlad.
red.; ULANOVA, L., tekhn. red.

[Movement for communist labor in U.S.S.R. industry] Dvizhenie
za kommunisticheskiy trud v promyshlennosti SSSR. Moskva,
Sotsekgiz, 1962. 146 p. (MIRA15:9)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po vopro-
sam truda i zarabotnoy platy.
(Socialist competition)

VDOVICHENKO, N.Kh.; DMITRASHKO, I.I., kand. tekhn. nauk; ZHELUDKOV, A.P.; ZLOMANOV, L.P.; KALPIN, G.Z.; NIZHNYI, N.I.; NIKITINA, M.V.; ROMANENKO, I.N.; BUDARINA, V., red.; USTINOV, M., red.; KIRSANOVA, I., mladshiy red.; NOGINA, N., tekhn. red.

[Agricultural wages in the U.S.S.R.] Oplata truda v sel'skom khoziaistve SSSR. [By] Vdovichenko, N.Kh. i dr. Moskva, Sotsekgiz, 1962. 147 p. (MIRA 15:6)
(Agricultural wages)

KAPUSTIN, Ye.I., kand.ekon.nauk; LAVROV, V.V.; RYUMIN, S.M.; KONSTANTINOV, Yu.A.; PRAVDIN, D.I., kand.ekon.nauk; KIRILLOVA, N.I.; RIMASHEVSKAYA, N.M.; ANTROPOV, B.F.; RYABKOV, F.S.; POPOV, G.A.; DEM'YANOVA, V.A.; SMOLYAR, I.M.; ACHARKAN, V.A., kand. yurid.nauk; BRONER, D.L.; SHEPTUN, Ye.V.; KRYAZHEV, V.G.; ALESHINA, F.Yu., kand. ekon. nauk; KUZINETSOVA, N.P.; MARKOVICH, M.B.; BIBIK, L.F.; BUDARINA, V., red.; GRIGOR'YEVA, I., mladshiy red.; CHEPELEVA, O., tekhn. red.

[Public consumption funds and improving the welfare of the people in the U.S.S.R.] Obshchestvennye fondy i rost blagosostoianiia naroda v SSSR. Moskva, Sotsekgiz, 1962. 222 p. (MIRA 15:6)

(Cost and standard of living)

PETROV, Anatoliy Stepanovich; BUDARINA, V., red.; KIRSANOVA, I.,
mladshiy red.; NOGINA, N., tekhn. red.

[Work and the creative capacity of the masses] Trud i tvor-
chestvo mass. Moskva, Sotsekgiz, 1962. 185 p. (MIRA 16:2)
(Efficiency, Industrial)

KOZLOVA, O.V., doktor ekon. nauk, prof.; BISHAYEV, M.; LENSKAYA, S.;
MURZOV, K.; BUDARINA, V., red.; KIRSANOVA, I., mladshiy red.;
ULANOVA, L., tekh. red.

[Communal labor during the period of the large scale building
of communism] Obshchestvennyi trud v period razvernuto go stroi-
tel'stva kommunizma. Pod obshchei red. O.V.Kozlovoi. Moskva,
Sotsekgiz, 1963. 306 p. (MIRA 16:7)
(Labor and laboring classes) (Communism)

TSETLIN, Boris Viktorovich; BUDARINA, V., red.; KORNILOVA, V.,
tekh. red.

[Conditions of labor and the organization of industrial
production] Usloviia truda i organizatsiia promyshlen-
nogo proizvodstva. Moskva, Sotsekgiz, 1963. 318 p.
(MIRA 17:1)

(Industrial hygiene)

PETROCHENKO, Petr Fedorovich; BUDARINA, V., red.; LAPIDUS, L.,
mladshiy red.; KORNILOVA, V., tekhn. red.

[Establishing work norms in the U.S.S.R.] Normirovanie tru-
da v SSSR. Moskva, Izd-vo "Mysl'," 1964. 351 p.
(MIRA 17:3)

OBLOMEKAYA, Inga Yakovlevna; BUDARINA, V., red.; LAFIDUS, L.,
mlad. red.

[Material self-interest as an economic category of socialism]
Material'naiia zainteresovannost' - ekonomicheskaiia kategoriia
sotsializma. Moskva, Izd-vo "Mysl'," 1964. 92 p.
(MIRA 17:8)

KOZLOVA, O., doktor ekon. nauk, prof.; BRODSKIY, G.; DUDORIN, V.;
MITIN, S.; NIKONOVA, L.; SALOMATIN, N.; BUDARINA, V., red.;
KIRSANOVA, I., mlad. red.; ULANOVA, L., tekhn. red.

[Use of electronic computers in production control] Primene-
nie elektronno-vychislitel'nykh mashin v upravlenii proiz-
vodstvom. [By] O.Kozlova i dr. Moskva, Izd-vo "Mysl", 1964.
508 p. (MIRA 17:4)

KAPUSTIN, Yevgeniy Ivanovich; BUDARINA, V., red.

[Quality of labor and wages] Kachestvo truda i zarabot-
naya plata. Moskva, Mysl', 1964. 332 p.
(MIRA 18:1)

SOSNIN, Mikhail Yakovlevich; BUDARINA, V., red.; LAPIDUS, L.,
mlad. red.

[Current problems of using the labor force in the U.S.S.R.]
Aktual'nye problemy ispol'zovaniia rabochei sily v SSSR.
Moskva, Izd-vo "Mysl'," 1965. 302 p. (MIRA 18:2)

LOFYREV, Nikolay Kirillovich; BUDARINA, V., red.; LAPIDUS, L.,
mlad. red.

[Development of the theory of labor productivity] Razvitie
teorii proizvoditel'nosti truda. Moskva, Mysl', 1965. 191 p.
(MIRA 18:9)

BEREZOV, Ye. L.; BUDARINA, Ye. M.

Significance of clinico-roentgenologico-surgical classification of gastric cancer for the nature of surgical intervention. Vest. khir. Moskva 72 no. 5:40-46 Sept-Oct 1952. (GIML 23:3)

1. Of the Faculty Surgical Clinic (Director -- Prof. Ye. L. Beresov), Gor'kiy Medical Institute.

BUDARINA, Ye. M.

BUDARINA, Ye. M.

"Extent of Resection of the Stomach in Cancer, Depending on Its Type (Shape)."
Cand Med Sci, Gor'kiy State Medical Inst, Gor'kiy, 1953. (RZhBiol, No 2, Sep 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

PANCHENKOV, G.M.; KOLESNIKOV, I.M.; BUDARINA, Ye.P.

Kinetics of the alkylation of benzene by isopropyl alcohol
on an aluminosilicate catalyst. Izv.vys.ucheb.zav.; neft' i
gaz 3 no.6:89-96 '60. (MIRA 13:7)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promy-
shlennosti im. akad.I.M.Gubkina.
(Benzene) (Alkylation) (Aluminum silicates)

UDAROVSKIY, A. I.

Applied
Mechanics
Reviews
Vol. 7 No. 4
Apr. 1954
Soil Mechanics
Seepage

1323. Verigin, N. N., Movement of moisture in soil (in Russian), Dokladi Akad. Nauk SSSR (N.S.) 89, 2, 229-232, Mar. 1953.

In soils penetrated by air the movement of moisture usually takes place when the pores are not completely filled, and is due either to cohesion or to gravity. Cohesive moisture is basically moved by absorptive forces causing its displacement from thicker to thinner layers. These forces are defined by gradient of moisture. The movement of moisture is also caused by thermo-capillary and thermo-osmotic forces, and by saline diffusion. Free or gravity moisture moves under forces of gravity and capillarity caused by surface stresses of water in narrow channels of pores and by evaporation.

The paper deals with movement of moisture of constant temperature and salinity, caused only by gravity, absorption, and capillarity. If both cohesive and free water move simultaneously in soil, free water can change into cohesive water. This will depend on molecular humidity of the soil. The problems are presented in differential equations and concluded in two basic characteristics of movement of the moisture in soil: (1) Transition of free into cohesive moisture causes considerable delay of the movement; (2) if the (over)...

cohesion of free moisture in soil decreases, the resistance against movement will sharply increase. Other results clarify laboratory and field tests. Reference is made to research by A. V. Likov, B. V. Deriagin, E. Koliasev, K. Melnikov, S. F. Averianov, L. S. Leibenson, N. N. Bindaman, A. A. Rode, A. I. Budaronskiy, B. A. Kin, R. A. Fisher, W. B. Haines, and others.

Referring to papers by L. S. Leybenson, P. Ya. Polubarinova-Kochina, and S. A. Christianovich, author presents and discusses a new system of differential equations which can be used also for plano-radial and sphero-radial filtration. To the author's knowledge, the available literature refers only to linear law of filtration, and other types of fluid flow have not yet been theoretically studied.

J. J. Polivka, USA

BUDAROV, A. YE., Engineer

"Investigation of Certain Types of Pulse Voltmeters and Wattmeters in the Meter Wave Band and on DC Pulses." Sub 19 Jun 47, Moscow Order of Lenin Aviation Inst imeni Sergo Ordzhonikidze *Cand. Technical Sci.*

Dissertations presented for degrees in science and engineering in Moscow in 1947

SO: Sum No. 457, 18 Apr 55

PA 174T18

BUDAROV, A. Ye.

USSR/Electricity - Voltmeter, Reflex

Jan 51

"Theory and Design of the Reflex Voltmeter," A. Ye.
Budarov, L. Ye. Leykhter

"Zhur Tekh Fiz" Vol XXI, No 1, pp 77-91

Gives subject theory and on it develops several concrete circuit schemes distinguished by very high input resistance, wide limits of measurements, linearity of scale, stability, and other pos qualities.
Submitted 15 Apr 49.

174T18

BUDAROV, A.

Searching for a break in electric lines. Tekh. molod. 20, No 5, 1952.

BUDAROV, A. Ye.

AUTHOR: Sergeyev, A. S., Docent

105-58-4-29/37

TITLE: Dissertations (Dissertatsii)

PERIODICAL: Elektrichestvo, 1958, Nr 4, pp. 88-89 (USSR)

ABSTRACT: For the Degree of Candidate of Technical Sciences, 1947-1954.
At the Moscow Technical College imeni Bauman
 (Vysshneye tekhnicheskoye uchilishche imeni Bauman).
A. I. Guzenko, on March 1953: "The Method of Analysis and the Synthesis of the Type of Feedback-Circuits of a Power Servosystem". Official opponents were: Doctor of Technical Sciences Professor N. V. Gorokhov and Candidate of Technical Sciences G. M. Ulanov.
G. D. Shevchenko, on May 25, 1953: "The Effect of the Aluminum Additions on the Quality and the Capacity of Manual Arc Welding of Low-Carbon Steels". Official opponents were: Doctor of Technical Sciences Professor G. I. Pogodin-Alekseyev and Candidate of Technical Sciences Docent A. A. Yerokhin.
At the Moscow Institute for Aviation imeni Ordzhonikidze
 (Moskovskiy aviatsionnyy institut im. Ordzhonikidze).

Card 1/3

Dissertations

105-58-4-29/37

I. Ya. Lekhtman, on April 28, 1947: "Foundations for the Design of Magnetic Amplifiers". Official opponents were: Doctor of Technical Sciences Professor E. A. Meyerovich and Professor G. M. Zhdanov.

A. Ye. Budarov, on June 30, 1947: "Investigation of Some Types of Impulse-Voltmeters and Wattmeters Within the Range of Meterwaves and in the Case of D. C. I, pulses". Official opponents were: Professor I. S. Dzhigit and Candidate of Technical Sciences V. N. Gorshunov.

At the Moscow Mining Institute imeni Stalin (Moskovskiy gornyy institut im. Stalina).

✓ G. Ye. Ivanchenko, on April 17, 1947: "Automation of Mine Conveying by an Asynchronous Motor Drive". Official opponents were: Doctor of Technical Sciences Professor D. P. Morozov and Candidate of Technical Sciences V. S. Kravchenko.

✓ V. G. Shorin, on October 30, 1952: "Some Problems in the Investigation of the Operation of Mine Electrolocomotives". Official opponents were: Doctor of Technical Sciences S. A. Volotkovskiy and Candidate of Technical Sciences Docent S. M. Lomakin.

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